

INTERNATIONAL SEARCH REPORT

PCT/IB 03/01513

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H01J29/28 H01J29/32

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 H01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 184 889 A (PHILIPS CORP INTELLECTUAL PTY ;KONINKL PHILIPS ELECTRONICS NV (NL)) 6 March 2002 (2002-03-06) paragraph '0020! column 7, line 9-23 paragraph '0041! ---	1-7
P, X	EP 1 211 711 A (PHILIPS CORP INTELLECTUAL PTY ;KONINKL PHILIPS ELECTRONICS NV (NL)) 5 June 2002 (2002-06-05) paragraphs '0022!, '0023!, '0040!, '0057! ---	1-7
Y	US 6 013 978 A (DONOFRIO ROBERT L) 11 January 2000 (2000-01-11) cited in the application column 2, line 22-30 column 4, line 30 -column 5, line 5 --- -/-	1-7

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

27 June 2003

Date of mailing of the international search report

09/07/2003

Name and mailing address of the ISA
 European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax (+31-70) 340-3016

Authorized officer

Weisser, W

INTERNATIONAL SEARCH REPORT

PCT/IB 03/01513

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 1 085 554 A (PHILIPS CORP INTELLECTUAL PTY ;KONINKL PHILIPS ELECTRONICS NV (NL)) 21 March 2001 (2001-03-21) paragraphs '0008!-'0016!, '0024!, '0040!	1-7

INTERNATIONAL SEARCH REPORT

PCT/IB 03/01513

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
EP 1184889	A	06-03-2002	DE CN EP JP	10042728 A1 1341949 A 1184889 A1 2002093341 A		14-03-2002 27-03-2002 06-03-2002 29-03-2002
EP 1211711	A	05-06-2002	DE EP JP US	10059766 A1 1211711 A2 2002184333 A 2002079821 A1		06-06-2002 05-06-2002 28-06-2002 27-06-2002
US 6013978	A	11-01-2000	DE DE EP WO JP US	69500440 D1 69500440 T2 0697134 A1 9524728 A1 8510091 T 6074789 A		21-08-1997 12-02-1998 21-02-1996 14-09-1995 22-10-1996 13-06-2000
EP 1085554	A	21-03-2001	DE EP JP TW	19944202 A1 1085554 A1 2001118511 A 472274 B		22-03-2001 21-03-2001 27-04-2001 11-01-2002